Rittal – The System.
Faster – better – everywhere.

World’s first – The e+ principle

Now also available in stainless steel
World’s first
The Blue e+ cooling unit series – the ultimate in efficiency. Worldwide.

The e- principle:

- **Efficiency** – Average 75% energy savings thanks to speed-regulated components and heat pipe technology
- **Versatility** – Suitable for international use due to unique multi-voltage capability
- **Safety** – Longer service life of the components inside the enclosure and the cooling unit due to component-friendly cooling
- **User-friendliness** – Intuitive operation due to touch display and intelligent interfaces
Rittal climate control/Wall-mounted cooling units Blue e+
The e\textsuperscript{+} principle

Revolutionary energy efficiency with innovative hybrid technology

Unbelievably efficient
- Let hybrid technology take your cooling units’ energy efficiency to a whole new level
- Active cooling circuit with speed-regulated components for demand-based cooling
- Integral heat pipe for passive cooling dissipates heat from the enclosure as soon as the ambient temperature falls below the setpoint

Amazingly economical
- Average 75% energy savings
- Component-friendly cooling for a longer service life
- A constant temperature inside the enclosure is ensured – with three control modes
- High operational reliability

Easier to calculate
- Determine your energy savings with the efficiency calculator
- TCO calculation includes all costs arising in the product’s lifecycle
- Precise amortisation calculation

Transparent efficiency comparisons
- Energy Efficiency Ratio: The standardised efficiency ratio
- Seasonal Energy Efficiency Ratio: The seasonal efficiency ratio for actual energy consumption

Rittal specifies the SEER to indicate the actual efficiency of a cooling unit, since a precise calculation must also consider the seasonal temperature variation. The standard point for determining the EER does not make allowance for actual fluctuations in hall temperatures.
The ± principle

Simple operation with touch display and intelligent interfaces

Get information faster
- Fast device analysis with RiDiag software via the USB interface
- Remote monitoring via Ethernet in conjunction with the IoT interface

Blue e+ app
- Contactless information exchange and rapid, direct on-site analysis via an NFC interface
- Simple repair, maintenance and spare parts enquiries may be sent directly via your smartphone
- Save device data directly on the device

Easier to operate
- Fast parameterisation, data reading and plain-text system messages on the intelligent, multi-lingual, industrial-grade display

IoT interface
- For linking Blue e+ cooling units and Blue e+ chillers to the customer’s own monitoring, energy management and/or superordinate systems
- Analysis and parametrisation
- Device data can be supplied in most standard protocols
- Generate your own dashboards and analyses
- Attaches to the top hat rail or to the cooling unit itself
The e+ principle

Versatility through standard assembly

Easy assembly
- One version for external mounting, partial internal mounting and full internal mounting
- One mounting cut-out for external mounting, partial internal mounting and full internal mounting in multiple output categories
- Maintenance-friendly, tool-free filter mat replacement

Fast assembly
- Handle for convenient transport and positioning
- Mounting clip as securing aid
- Eyebolts for easy mounting

Maximum flexibility with unique multi-voltage capability
- One unit for all voltages and networks, suitable for worldwide use thanks to inverter technology:
  - 110 – 240 V, 1~, 50 – 60 Hz
  - 380 – 480 V, 3~, 50 – 60 Hz

International approvals and certifications
- cULus Listed
- EAC
- TÜV Nord GS
- cULus FTTA
**Wall-mounted cooling units Blue e+**

**Benefits:**
- Average 75% energy savings thanks to speed-regulated components and heat pipe technology
- Suitable for international use due to a unique multi-voltage capability
- Longer service life of the components inside the enclosure and the cooling unit due to component-friendly cooling

**Supply includes:**
- Assembly parts
- Fully wired ready for connection (plug-in terminal strip)

**Note:**
- Please observe the mounting instructions.

**Approvals:**
Available on the Internet

**Performance diagrams:**
Available on the Internet

**Output class 1600 W**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Packs of</th>
<th>3185.530</th>
<th>3185.830</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material</td>
<td>Sheet steel</td>
<td>–</td>
<td>–</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Stainless steel 1.4301 (AISI 304)</td>
<td>–</td>
<td>–</td>
<td></td>
</tr>
<tr>
<td>Colour</td>
<td>RAL 7035</td>
<td>–</td>
<td>–</td>
<td></td>
</tr>
<tr>
<td></td>
<td>RAL 9007</td>
<td>–</td>
<td>–</td>
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</tr>
<tr>
<td>Total cooling output 50 Hz L35 L35 to DIN EN 14511 kW</td>
<td>1.6</td>
<td>1.6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total cooling output 50/60 Hz L35 L35 kW</td>
<td>1.6 / 1.6</td>
<td>1.6 / 1.6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total cooling output 50/60 Hz L35 L50 kW</td>
<td>1.2 / 1.2</td>
<td>1.2 / 1.2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rated operating voltage V, ~, Hz</td>
<td>110 - 240, 1~, 50/60</td>
<td>110 - 240, 1~, 50/60</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power consumption Pn 50/60 Hz L35 L35 kW</td>
<td>0.54 / 0.54</td>
<td>0.54 / 0.54</td>
<td></td>
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</tr>
<tr>
<td>Operating temperature range</td>
<td>-20 °C...+60 °C</td>
<td>-20 °C...+60 °C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Setting range</td>
<td>+20 °C...+50 °C</td>
<td>+20 °C...+50 °C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Energy efficiency ratio (EER) 50 Hz L35 L35 to DIN EN 14511</td>
<td>3.1</td>
<td>3.1</td>
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</tr>
<tr>
<td>Seasonal energy efficiency ratio (SEER) 50/60 Hz</td>
<td>8.4</td>
<td>8.4</td>
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</tr>
<tr>
<td>Refrigerant g</td>
<td>R134a, 750</td>
<td>R134a, 750</td>
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<tr>
<td>Permissible operating pressure (p. max.) bar</td>
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<tr>
<td>Weight kg</td>
<td>36.3</td>
<td>37.1</td>
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</table>

**Accessories**

| IoT interface | 1 pc(s). | 3124.300 | 3124.300 | 14 |
| RDiag | 1 pc(s). | 3159.300 | 3159.300 | 14 |
| Filter mat | 3 pc(s). | 3285.800 | 3285.800 | 13 |
| Metal filter | 1 pc(s). | 3285.810 | 3285.810 | 13 |
| Temperature sensor | 1 pc(s). | 3124.400 | 3124.400 | 13 |
| Door-operated switch | 1 pc(s). | 4127.010 | 4127.010 | Cat. 35, 755 |
| Condensate hose | 1 pc(s). | 3301.612 | 3301.612 | Cat. 35, 464 |
## Wall-mounted cooling units Blue e+

**Benefits:**
- Average 75% energy savings thanks to speed-regulated components and heat pipe technology.
- Suitable for international use due to a unique multi-voltage capability.
- Longer service life of the components inside the enclosure and the cooling unit due to component-friendly cooling.
- Intuitive operation due to touch display and intelligent interfaces.

**Temperature control:**
- e+ controller (factory setting +35 °C)

**Protection category IP to IEC 60 529:**
- Internal circuit IP 55

**Supply includes:**
- Assembly parts
- Fully wired ready for connection (plug-in terminal strip)

**Note:**
- Please observe the mounting instructions.

**Approvals:**
- Available on the Internet

**Performance diagrams:**
- Available on the Internet

---

### Output class 2000 – 2600 W

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Packs of</th>
<th>3186.630</th>
<th>3186.930</th>
<th>3187.630</th>
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<td>–</td>
<td>–</td>
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<tr>
<td></td>
<td>Stainless steel 1.4301 (AISI 304)</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Colour</td>
<td>RAL 7035</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
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<tr>
<td></td>
<td>RAL 9007</td>
<td>–</td>
<td>–</td>
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<tr>
<td>Total cooling output 50 Hz L35 L35 to DIN EN 14511 kW</td>
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<td>2</td>
<td>2.6</td>
<td>2.6</td>
<td>1.29 / 1.29</td>
<td>1.29 / 1.29</td>
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<tr>
<td>Total cooling output 50/60 Hz L35 L35 kW</td>
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<td>2 / 2</td>
<td>2.6 / 2.6</td>
<td>2.6 / 2.6</td>
<td>1.82 / 1.82</td>
<td>1.82 / 1.82</td>
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<tr>
<td>Total cooling output 50/60 Hz L35 L50 kW</td>
<td>1.29 / 1.29</td>
<td>1.29 / 1.29</td>
<td>1.82 / 1.82</td>
<td>1.82 / 1.82</td>
<td>1.82 / 1.82</td>
<td>1.82 / 1.82</td>
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<tr>
<td>Rated operating voltage V, –, Hz</td>
<td>110 - 240, 1~, 50/60</td>
<td>110 - 240, 1~, 50/60</td>
<td>110 - 240, 1~, 50/60</td>
<td>110 - 240, 1~, 50/60</td>
<td>380 - 480, 3~, 50/60</td>
<td>380 - 480, 3~, 50/60</td>
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<td>Width (B) mm</td>
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<td>Height (H) mm</td>
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<td>1600</td>
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<td>Depth (T) mm</td>
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<td>294</td>
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<td>Rated power input kW</td>
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<td>0.73</td>
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<td>1.05</td>
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<td>Power consumption Pn 50/60 Hz L35 L35 kW</td>
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<td>0.57 / 0.57</td>
<td>0.99 / 0.99</td>
<td>0.99 / 0.99</td>
<td>0.99 / 0.99</td>
<td>0.99 / 0.99</td>
</tr>
<tr>
<td>Operating temperature range</td>
<td>-20 °C...+60 °C</td>
<td>-20 °C...+60 °C</td>
<td>-20 °C...+60 °C</td>
<td>-20 °C...+60 °C</td>
<td>-20 °C...+60 °C</td>
<td>-20 °C...+60 °C</td>
</tr>
<tr>
<td>Setting range</td>
<td>+20 °C...+50 °C</td>
<td>+20 °C...+50 °C</td>
<td>+20 °C...+50 °C</td>
<td>+20 °C...+50 °C</td>
<td>+20 °C...+50 °C</td>
<td>+20 °C...+50 °C</td>
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<tr>
<td>Energy efficiency ratio (EER) 50 Hz L35 L35 to DIN EN 14511</td>
<td>3.5</td>
<td>3.5</td>
<td>2.63</td>
<td>2.63</td>
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<td>Seasonal energy efficiency ratio (SEER) 50/60 Hz</td>
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<td>6.1</td>
<td>6.2</td>
<td>6.2</td>
<td>6.1</td>
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<tr>
<td>Refrigerant g</td>
<td>R134a, 1150</td>
<td>R134a, 1150</td>
<td>R134a, 1150</td>
<td>R134a, 1150</td>
<td>R134a, 1150</td>
<td>R134a, 1150</td>
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<td>54.8</td>
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<td>Note on Model No.</td>
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<td>–</td>
<td>–</td>
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</tbody>
</table>

### Accessories
- IoT interface 1 pc(s). 3124.300 – 3124.300 3124.300 3124.300 14
- RiDiag 1 pc(s). 3159.300 – 3159.300 3159.300 3159.300 3159.300 14
- Filter mat 3 pc(s). 3285.900 – 3285.900 3285.900 3285.900 3285.900 13
- Metal filter 1 pc(s). 3285.910 – 3285.910 3285.910 3285.910 3285.910 13
### Wall-mounted cooling units Blue e+

**Output class 4200 – 5800 W**

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Packs of</th>
<th>3188.640</th>
<th>3188.940</th>
<th>3189.640</th>
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</tr>
<tr>
<td></td>
<td>Stainless steel 1.4301 (AISI 304)</td>
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<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Colour</td>
<td>RAL 7035</td>
<td>–</td>
<td>–</td>
<td>–</td>
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</tr>
<tr>
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<td>RAL 9007</td>
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<td>–</td>
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<td>–</td>
</tr>
<tr>
<td><strong>Total cooling output 50 Hz L35 L35 to DIN EN 14511 kW</strong></td>
<td>4.2</td>
<td>4.2</td>
<td>5.8</td>
<td>5.8</td>
<td></td>
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<tr>
<td>Total cooling output 50/60 Hz L35 L35 kW</td>
<td>4.2 / 4.2</td>
<td>4.2 / 4.2</td>
<td>5.8 / 5.8</td>
<td>5.8 / 5.8</td>
<td></td>
</tr>
<tr>
<td>Total cooling output 50/60 Hz L35 L50 kW</td>
<td>3.02 / 3.02</td>
<td>3.02 / 3.02</td>
<td>4.2 / 4.2</td>
<td>4.2 / 4.2</td>
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</tr>
<tr>
<td>Rated operating voltage V, ~, Hz</td>
<td>380 - 480, 3~, 50/60</td>
<td>380 - 480, 3~, 50/60</td>
<td>380 - 480, 3~, 50/60</td>
<td>380 - 480, 3~, 50/60</td>
<td></td>
</tr>
<tr>
<td>Width (B) mm</td>
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<td>450</td>
<td>450</td>
<td>450</td>
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<tr>
<td>Height (H) mm</td>
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<tr>
<td>Depth (T) mm</td>
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<td>Rated power input kW</td>
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<td>2.2</td>
<td>2.2</td>
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<tr>
<td>Power consumption $P_v$ 50/60 Hz L35 L35 kW</td>
<td>1.21 / 1.21</td>
<td>1.21 / 1.21</td>
<td>2.2 / 2.2</td>
<td>2.2 / 2.2</td>
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</tr>
<tr>
<td>Operating temperature range</td>
<td>-20 °C...+60 °C</td>
<td>-20 °C...+60 °C</td>
<td>-20 °C...+60 °C</td>
<td>-20 °C...+60 °C</td>
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<tr>
<td>Setting range</td>
<td>+20 °C...+50 °C</td>
<td>+20 °C...+50 °C</td>
<td>+20 °C...+50 °C</td>
<td>+20 °C...+50 °C</td>
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<tr>
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<td>3.46</td>
<td>3.46</td>
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<td>2.64</td>
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<tr>
<td>Seasonal energy efficiency ratio (SEER) 50/60 Hz</td>
<td>8.1</td>
<td>8.1</td>
<td>6.2</td>
<td>6.2</td>
<td></td>
</tr>
<tr>
<td>Refrigerant g</td>
<td>R134a, 1750</td>
<td>R134a, 1750</td>
<td>R134a, 1750</td>
<td>R134a, 1750</td>
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<tr>
<td>Weight kg</td>
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<td>71.2</td>
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<tr>
<td>Note on Model No.</td>
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<td>Full installation not possible</td>
<td>Full installation not possible</td>
<td>Full installation not possible</td>
<td></td>
</tr>
</tbody>
</table>

### Accessories

- **IoT interface**: 1 pc(s), 3124.300
- **RiDiag**: 1 pc(s), 3159.300
- **Filter mat**: 3 pc(s), 3285.900
- **Metal filter**: 1 pc(s), 3285.910
- **Temperature sensor**: 1 pc(s), 3124.400
- **Door-operated switch**: 1 pc(s), 4127.010
- **Condensate hose**: 1 pc(s), 3301.612
- **Eyebolts**: 4 pc(s), 4568.000

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Further technical information available on the Internet. Rittal climate control/Wall-mounted cooling units Blue e+
Filter mat
for cooling units, air/air heat exchangers and chillers
Rittal cooling units are low-maintenance and are supplied without filter mats. Filter mats may be used for extreme conditions.

Benefits:
– Temperature-resistant from -40 °C...+80 °C

Material:
– Open-celled polyurethane foamed plastic

<table>
<thead>
<tr>
<th>To fit Model No.</th>
<th>for cooling units</th>
<th>for chillers</th>
<th>W x H x D mm</th>
<th>Packs of</th>
<th>Model No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>3185.830/3185.530</td>
<td>✦</td>
<td>–</td>
<td>360 x 297 x 10</td>
<td>3 pc(s)</td>
<td>3285.800</td>
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<td>✦</td>
<td>390 x 397 x 10</td>
<td>3 pc(s)</td>
<td>3285.900</td>
</tr>
</tbody>
</table>

Metal filter
Particularly when cooling units are used in dusty and oily environments, it is advisable to use washable metal filters. If air or steam condenses on the metal surfaces, any particles present will adhere to the metal, and can easily be washed out with water or grease-dissolving detergents.

Material:
– Aluminium

Note:
– 2 metal filters are required for 3334.660, 3335.880 and 3335.890

<table>
<thead>
<tr>
<th>To fit Model No.</th>
<th>for cooling units</th>
<th>for chillers</th>
<th>W x H x D mm</th>
<th>Packs of</th>
<th>Model No.</th>
</tr>
</thead>
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<tr>
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<td>–</td>
<td>320 x 280 x 10</td>
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<td>✦</td>
<td>✦</td>
<td>380 x 358 x 10</td>
<td>1 pc(s)</td>
<td>3285.910</td>
</tr>
</tbody>
</table>

Temperature sensor
for Blue e+ cooling units, Blue e+ chillers
NTC sensor to regulate Blue e+ cooling units according to an individual measurement point within the enclosure (control based on an external sensor), and according to the cold air outlet from the cooling unit inside the enclosure (control based on outlet temperature). For chillers: Differential control is used if it is necessary to regulate the temperature of the medium depending on the ambient temperature (positive or negative). For this, the temperature sensor needs to be positioned near the Blue e+ chiller.

Supply includes:
– External sensor with connection cable (length 2.5 m)
Accessories for climate control

RiDiag
Software for the parameterisation, diagnosis and analysis of Rittal cooling units.

<table>
<thead>
<tr>
<th>For</th>
<th>Blue e+ chillers</th>
<th>Blue e+ cooling units</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design</td>
<td>RiDiag III</td>
<td></td>
</tr>
<tr>
<td>Product-specific scope of supply</td>
<td>Full, downloadable version in German and English. Release of additional functions with chargeable licence under Model No. 3159.300</td>
<td></td>
</tr>
<tr>
<td>Packs of</td>
<td>1 pc(s)</td>
<td></td>
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<tr>
<td>Model No.</td>
<td>3159.300</td>
<td></td>
</tr>
</tbody>
</table>

IoT interface
The IoT interface is used to link Rittal components such as Blue e+ cooling units, Blue e+ chillers, smart monitoring systems etc., to the customer’s own monitoring and/or energy management systems. Data may be integrated both horizontally and vertically into data collectors and processors, to allow the long-term logging and evaluation of device data, statuses and system messages.

Benefits:
- The IoT interface is middleware, whose interfaces allow a variety of devices and systems to communicate with one another. The data can then be forwarded into superordinate systems.
- Central element for the intelligent networking of Rittal components
- Simple connection of up to two Blue e+ cooling units or chillers
- Compatible with up to 32 CMC III sensors and the Smart monitoring system

Material:
- Plastic to UL 94-V0

Colour:
- RAL 7016

Protection category IP to IEC 60 529:
- IP 20

Supply includes:
- IoT interface
- USB cable (USB-A connector on micro-USB-B connector)
- Angle bracket for Blue e+ cooling unit

Note:
- The IoT interface is only supported by Blue e+ cooling units from firmware version 1.11.0 or above. If applicable, update the firmware using the RiDiag III software (3159.300).

Assembly
- The IoT interface can be secured on a 35 x 7.5 top hat rail to DIN EN 60715 using a spring-loaded metal clip, or to the rear of a Blue e+ cooling unit using the angle bracket.

<table>
<thead>
<tr>
<th>W x H x D mm</th>
<th>18 x 117 x 120</th>
</tr>
</thead>
<tbody>
<tr>
<td>For</td>
<td>Blue e+ cooling units</td>
</tr>
<tr>
<td>Blue e+ chillers</td>
<td></td>
</tr>
<tr>
<td>Smart Monitoring System</td>
<td></td>
</tr>
<tr>
<td>CMC III sensors</td>
<td></td>
</tr>
<tr>
<td>Operating temperature range</td>
<td>+0 °C...+70 °C</td>
</tr>
<tr>
<td>Protocols</td>
<td>OPC-UA, SNMPv1, SNMPv2c</td>
</tr>
<tr>
<td>SNMPv3, Modbus/TCP, TCP/IPv4</td>
<td></td>
</tr>
<tr>
<td>TCP/IPv6, Radius, Telenet</td>
<td></td>
</tr>
<tr>
<td>SSH, FTP, SFTP, HTTP, HTTPS</td>
<td></td>
</tr>
<tr>
<td>NTP, DHCP, DNS, SMTP</td>
<td></td>
</tr>
<tr>
<td>Syslog, LDAP</td>
<td></td>
</tr>
</tbody>
</table>

| Interfaces | 1 x Micro USB type B (device) for USB 2.0 |
| 1 x Micro-SD memory card slot for SD 2.0 |
| 1 x USB 2.0 high-speed functions (EHCI) |
| 1 x acknowledgement button |
| 1 x push-in spring connection terminal for NTC sensor |
| 2 x RJ45 jack for RS 485 interface (climate control unit interface) |
| Network interface | Ethernet IPv4/IPv6 |
| Ethernet to IEEE 802.3 via 10BASE-T, 100BASE-T and 1000BASE-T |
| Type of electrical connection | Push-in spring connection terminal (24 V DC) |
| Packs of | 1 pc(s) |
| Model No. | 3124.300 |

Further technical information available on the Internet.
Wall-mounted cooling units
Blue e+, SK 3186.630, SK 3186.930, SK 3187.630, SK 3187.930, SK 3188.640, SK 3188.940, SK 3189.640, SK 3189.940

Technical details

Mounting cut-out
External mounting, partial internal mounting, internal mounting for door, rear and side panel, \( W \geq 600 \) mm

Mounting cut-out
External mounting rear and side panel, \( W = 500 \) mm

Important installation instructions for full internal mounting
- Not generally possible for 4.2 and 5.8 kW
- For 600 mm wide enclosure doors, please note: Move the cut-out towards the door hinge by 25 mm, and dismantle the tubular door frame

Important installation instructions for external mounting on 500 mm deep enclosures
- Partial internal mounting and full internal mounting not supported
- External mounting only possible with mounting cut-out for 500 mm deep enclosures
Wall-mounted cooling units Blue e+

Technical details

**Wall-mounted cooling units**
Blue e+ SK 3185.530, SK 3185.830

Installation options SK 3185.530, SK 3185.830

<table>
<thead>
<tr>
<th>Installation options</th>
<th>Mounting cut-out</th>
</tr>
</thead>
<tbody>
<tr>
<td>External mounting</td>
<td>External mounting, partial internal mounting</td>
</tr>
<tr>
<td>Partial internal</td>
<td></td>
</tr>
<tr>
<td>Internal mounting</td>
<td></td>
</tr>
</tbody>
</table>

**Overview of all Blue e+ information**

- **Design made easy**
  - Detailed climate control calculation with the Therm software
  - Therm app enables rapid parameterisation
  - www.rittal.com/therm

- **Item information**
  - Product description and features
  - Assembly instructions
  - Approvals
  - Interactive performance diagrams
  - CAD drawings
  - www.rittal.com/blue_e_plus_wallmount

- **The Blue e+ microsite**
  - Calculate potential savings and amortisation periods with the efficiency calculator
  - Full information on the energy label and the SEER
  - Videos showing technical details:
    - Heat pipe
    - Multi-voltage support
    - Intelligent interfaces and Blue e+ app
  - Service messages may easily be sent with the Blue e+ app via an NFC interface
  - and much more besides can be found at www.rittal.com/blue_e_plus
**Wall-mounted cooling units Blue e+**

Output class 1600 W (110 – 240 V, 1 ~, 50 – 60 Hz / 380 – 480 V, 3 ~, 50 – 60 Hz)

1.6 kW
SK 3185.530, SK 3185.830

![Graph showing the relationship between enclosure internal temperature (°C) and total cooling output (W).]

- Enclosure internal temperature
  - $T_i = 45 \, ^\circ C$
  - $T_i = 40 \, ^\circ C$
  - $T_i = 35 \, ^\circ C$
  - $T_i = 30 \, ^\circ C$
  - $T_i = 25 \, ^\circ C$

- $P_c$ = Total cooling output [W]
- $T_a$ = Ambient temperature [°C]


2 kW
SK 3186.630, SK 3186.930

![Graph showing the relationship between enclosure internal temperature (°C) and total cooling output (W).]

- Enclosure internal temperature
  - $T_i = 45 \, ^\circ C$
  - $T_i = 40 \, ^\circ C$
  - $T_i = 35 \, ^\circ C$
  - $T_i = 30 \, ^\circ C$

2.6 kW
SK 3187.630, SK 3187.930

![Graph showing the relationship between enclosure internal temperature (°C) and total cooling output (W).]

- Enclosure internal temperature
  - $T_i = 45 \, ^\circ C$
  - $T_i = 40 \, ^\circ C$
  - $T_i = 35 \, ^\circ C$
  - $T_i = 30 \, ^\circ C$

$P_c$ = Total cooling output [W]
$T_a$ = Ambient temperature [°C]
Wall-mounted cooling units Blue e+

Technical details

Output category 4200/5800 W (380 – 480 V, 3 ~, 50 – 60 Hz)

4.2 kW
SK 3188.640, SK 3188.940

5.8 kW
SK 3189.640, SK 3189.940

Enclosure internal temperature
- $T_i = 45 \, ^\circ C$
- $T_i = 40 \, ^\circ C$
- $T_i = 35 \, ^\circ C$
- $T_i = 30 \, ^\circ C$
- $T_i = 25 \, ^\circ C$

$P_c$ = Total cooling output [W]
$T_u$ = Ambient temperature [°C]

[Graphs showing cooling output vs. ambient temperature for 4.2 kW and 5.8 kW units]
The complete solution in stainless steel

The cross-cutting added system benefit that sets brand new standards: The new VX25 large enclosure system in stainless steel combined with the new Blue e+ stainless steel cooling unit. The optimum solution for use in environments with demanding hygiene and corrosion resistance requirements.

95
MORE DIGITISATION
Up to 95% time savings, thanks to intuitive configuration

1,000
SYSTEMATIC CONFIGURATION
Create your individual, standardised solution, with more than 1,000 accessory items

30
MORE EFFICIENT
Save up to 30% planning and assembly time

24
FAST DELIVERY
24-hour, European-wide delivery (in the majority of cases)

25
TECNICAL LEADERS
More than 25 patents/property rights for a single enclosure system
Rittal – The System.

Faster – better – everywhere.

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- Power Distribution
- Climate Control
- IT Infrastructure
- Software & Services

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